

Abstract of the Disclosure

A liquid lens, according to the electrowetting principle, is used in an imaging system to affect the optical axis of the imaging system. In particular, a seal compartment having a first side and an opposing second side is used to dispose a liquid lens on the first side. A plurality of electrode areas are disposed adjacent to the first side and a common electrode is disposed adjacent to the second side. In order to compensate for undesirable image shifting due to hand motion, different voltage levels are applied to the plurality of electrode areas so that the electric field applied on the liquid lens is non-uniform, causing deformation of the liquid lens. The voltage levels are determined such that the shift in the optical axis due to the deformation of the liquid lens substantially cancels out the motion-induced image shift.